

Appl. No. 09/929,612
Amdt. August 21, 2003
Reply to Office action of June 16, 2003

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended): An isolated nucleic acid encoding a ~~mammalian~~ CTLA protein ~~or fragment thereof~~ comprising an amino acid sequence of SEQ ID No.: 6 or 8.

Claims 2-22 (canceled)

Claim 23 (Currently amended): The isolated nucleic acid of claim 1, wherein the protein induces ~~an~~ at least one inflammatory mediator ~~such as selected from the group consisting of~~ IL-6, IL-8, ~~or~~ and PGE2.

Claim 24 (Currently amended): A ~~An isolated~~ nucleic acid sequence that hybridizes under stringent conditions of 65° C and 150mM salt to a the nucleic acid sequence of ~~claim 2 or fragment thereof~~ claim 1.

Claim 25 (Currently amended): A nucleic acid isolated using a cDNA encoding a nucleic acid of ~~claim 2 or fragment thereof~~ claim 1.

Claim 26-28 (Canceled)

Claim 29 (Currently amended): An recombinant expression system for a nucleic acid comprising a nucleic acid expression vector wherein the nucleic acid of claim 1 is operably linked to suitable genetic control elements that are recognized in a suitable host cell.

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Claim 30 (Previously presented): The expression system of claim 29 wherein the host cell is a prokaryotic cell.

Claim 31 (Previously presented): The expression system of claim 29 wherein the genetic control elements are comprised of a prokaryotic promoter system, prokaryotic ribosome binding site, and a prokaryotic transcription termination signal.

Claim 32 (Previously presented): The expression system of claim 29 wherein the host cell is a eukaryotic cell.

Claim 33 (Previously presented): The expression system of claim 29 wherein the genetic control elements are a eukaryotic promoter system, a eukaryotic ribosome binding site, and eukaryotic transcription termination and polyadenylation signals.

Claim 34 (Previously presented): The expression system of claim 29 wherein the host cell is a yeast cell.

Claim 35 (Previously presented): The expression system of claim 29 wherein the host cell is an insect cell.

Claim 36 (Previously presented): The expression system of claim 29, wherein the expression vector is an insect baculovirus expression vector.

Claim 37 (Previously presented): The expression system of claim 29 wherein the host cell is a mammalian cell.

Claim 38 (Currently amended): The expression system of claim 29 wherein the host cell is a ~~Chinese~~ Chinese hamster ovary cell, a monkey cell, or baby rat kidney (BRK) cell.

Claim 39 (Currently amended): The expression system of claim 29, wherein the expression vector does not replicate (~~autonomously~~) autonomously in the host cell.

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Claim 40 (Previously presented): The expression system of claim 29 wherein the expression vector is transformed into a cell which provides a specific glycosylation pattern.

Claim 41 (Previously presented): The expression system of claim 29 wherein the expression vector is co-transformed into a cell with one or more genes encoding mammalian or other glycosylating enzymes.

Claims 42-45 (Withdrawn)

Claim 46 (New): The nucleic acid of claim 1, wherein the nucleic acid comprises a sequence of SEQ ID NO: 5 or 7.